

Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

1. (Currently Amended) A method of producing treated water comprising:
introducing water from a point of entry into a reservoir system and an electrochemical device;
removing at least a portion of any undesirable species from the water in the electrochemical device while suppressing hydroxyl ion generation to produce treated water; and storing at least a portion of the treated water in the reservoir system; and
distributing at least a portion of the treated water from the reservoir system to a point of use.
2. (Canceled)
3. (Original) The method of claim 1, wherein removing the at least a portion of any undesirable species while suppressing hydroxyl ion generation comprises applying an electrical current below a limiting current density.
4. (Currently Amended) The method of claim 1, further comprising measuring at least one water property of at least a portion of the water in the reservoir system.
5. (Original) The method of claim 4, further comprising adjusting an operating parameter of the electrochemical device based on the measured water property.
6. (Original) The method of claim 4, further comprising distributing at least a portion of the treated water to a point of use based on the measured water property.

7. (Original) The method of claim 4, further comprising adjusting a flow rate of the water into the electrochemical device based on the measured water property.

8. (Currently Amended) The method of claim 1, further comprising wherein the act of storing at least a portion of the treated water comprises storing at least a portion the treated water in a pressurized reservoir system.

9. (Original) The method of claim 8, wherein storing the treated water in the pressurized reservoir system comprises storing the treated water in a treated water zone of the pressurized reservoir system.

10. (Original) The method of claim 1, wherein the electrochemical device comprises an electrodeionization device.

11. (Previously Presented) A method of producing treated water comprising:
introducing water from a point of entry into a reservoir;
introducing a portion of the water from the reservoir into an electrochemical device;
applying an electrical current below a limiting current density through the electrochemical device to promote removal of any undesirable species from the water and produce treated water; and
maintaining the electrical current below the limiting current density to produce the treated water, water having a conductivity of less than about 300 μ S/cm.

12. (Currently Amended) The method of claim 11, further comprising storing the treated water in [[a]]the reservoir.

13. (Currently Amended) The method of claim 12, further comprising measuring a water property of water in the reservoir.

14. (Original) The method of claim 13, wherein applying the electrical current comprises adjusting the electrical current based on the measured water property.

15. (Currently Amended) The method of claim 14, wherein introducing water from the point of entry into the reservoir comprises adjusting a water flow rate based on the measured water property.

16. (Original) The method of claim 15, further comprising distributing at least a portion of the treated water to a point of use.

17. (Currently Amended) A water treatment system comprising:
a pressurized reservoir system fluidly connected to a point of entry, the reservoir system comprising a plurality of zones having water contained therein with differing water quality levels;
an electrochemical device fluidly connected to the point of entry and the pressurized reservoir system;
a power supply for providing an electrical current to the electrochemical device; and
a controller for regulating the electrical current below a limiting current density.

18. (Original) The system of claim 17, further comprising a distribution system fluidly connected downstream of the reservoir system and to a point of use.

19. (Original) The system of claim 17, further comprising at least one water property sensor.

20. (Original) The system of claim 19, wherein the electrochemical device comprises an electrodeionization device.

21. (Canceled)

22. (Currently Amended) A method of facilitating water treatment comprising:
providing a ~~pressurized~~pressurizable reservoir system fluidly connectable ~~downstream of~~
to a point of entry and further fluidly connectable upstream of a distribution system fluidly
connect to at least one point of use;
providing an electrochemical device fluidly ~~connectable to~~connected downstream of the ~~pressurized~~pressurizable reservoir system;
providing a power supply for providing an electrical current to the electrochemical
device; and
providing a controller for regulating the electrical current below a limiting current
density.

23. (Canceled)

24. (Canceled)

25. (Canceled)

26. (Canceled)

27. (Previously Presented) The method of claim 11, further comprising a step of providing
treated water mixed with water from the point of entry.

28. (New) The method of claim 10, further comprising measuring a plurality of water quality
levels of the water in the reservoir system.

29. (New) The system of claim 17, wherein at least a portion of the reservoir system is
pressurized.

30. (New) The system of claim 29, wherein the controller is further configured to regulate
delivery of water from at least one of the zones to at least one point of use.

31. (New) The system of claim 17, wherein the controller is further configured to receive at least one signal representative of at least one water quality level of at least one zone and regulate the electrical current based at least partially on the at least one signal.

32. (New) The method of claim 22, further comprising a step of connecting the controller to at least one water property sensor disposed in the pressurizable reservoir system.